

IN THE CLAIMS:

Please amend the claims as shown below. The claims, as pending in the subject application, read as follows:

1. (Currently Amended) A print server apparatus capable of receiving a print job to be printed from an information processing apparatus through a network, said printer server apparatus comprising:

reservation job management means for storing, in a memory, both device-independent-format data and device-dependent-format data of the print job as reservation job data, received from the information processing apparatus, and managing the reservation job data even after print data for the print job is output to a printing apparatus;

determination means for determining whether attributes are different based on a printer driver name for an output ~~designation~~ destination for reprint and a printer driver name for the reservation job data managed by said reservation job management means; and

output control means for outputting the device-independent-format data to the information processing apparatus exterior, if said determination means determines that the attributes are different, while outputting the device-dependent-format data to the output destination exterior, if said determination means determines that the attributes are the same,

wherein the device-dependent-format data is data generated by a printer driver corresponding to the output destination, and the device-independent-format data is data generated prior to a generation process by a printer driver corresponding to the output destination.

2. (Original) A print server apparatus according to claim 1, wherein said reservation job management means is adapted to reserve the reservation job data transmitted from said information processing apparatus for a designated period and to delete said reservation job data from said memory after the lapse of said designated period.

3. (Previously Presented) A print server apparatus according to claim 1, further comprising discrimination means for discriminating whether the management of said reservation job data by said reservation job management means is possible, in response to a request for reservation from said information processing apparatus;

wherein said reservation job management means executes reservation and management of said reservation job data in a case where said discrimination means identifies that the management of said reservation job data is possible.

4. (Currently Amended) A print server apparatus according to claim 3, wherein, in the case where said discrimination means identifies that the management of said reservation job data is not possible, said reservation job management means registers and manages ~~the~~ a print job ID and ~~the~~ a reservation job size, requested for reservation, in a reservation waiting list.

5. (Currently Amended) A print server apparatus according to claim 4, further comprising detection means for detecting a registerable print job ID by comparing the an available capacity of said memory with ~~the~~ reservation job sizes registered in said reservation waiting list.

6. (Canceled)

7. (Previously Presented) A print server apparatus according to claim 1, wherein said device-independent-format data are EMF data and said device-dependent-format data are RAW data.

8. (Currently Amended) An information processing apparatus for generating print data to be printed by a printing apparatus through a network, the information processing apparatus comprising:

data generation means for generating [[a]] device-dependent-format data to be printed by the printing apparatus using a printer driver corresponding to the printing apparatus;

obtaining means for obtaining device-independent-format data;

display means for displaying a list of print jobs to be reprinted after print data is output to the printing apparatus;

first judgement judgment means for judging one print job selected by a user from among the print jobs displayed by said display means; and

second judgement judgment means for judging a printing apparatus to which the print job judged by said first judgement judgment means is to be output,

wherein said data generation means receives the device-independent-format data obtained by said obtaining means and generates the device-dependent-format data using another printer driver, if the printing apparatus judged by said second judgement judgment means is different from the printing apparatus of an original output destination,

wherein the device-dependent-format data is data generated by a printer driver corresponding to a printing apparatus that prints out the print data, and the device-independent-format data is data generated prior to a generation process by a printer driver corresponding to a printing apparatus that prints out the print data.

9. (Previously Presented) An information processing apparatus according to claims 12, further comprising condition designation means for designating a reservation condition for causing said print job management apparatus to reserve the reservation job data.

10. (Original) An information processing apparatus according to claim 9, wherein said reservation condition is a period of reservation.

11. (Original) An information processing apparatus according to claim 9, wherein said reservation condition is a number of printing times.

12. (Previously Presented) An information processing apparatus according to claim 8, further comprising:

reservation data generation means for generating reservation job data consisting of the device-dependent-format data generated by said data generation means and print job information based on the device-dependent-format data, which reservation job data is to be reserved after a printing process of the print data is completed by the printing apparatus; and

transmission control means for transmitting the reservation job data generated by said reservation data generation means to a print job management apparatus through the network.

13. (Original) An information processing apparatus according to claim 12, further comprising:

acquisition means for acquiring a list of managed reservation data from said print job management apparatus; and

re-print designation means for designating the reservation data to be re-printed from said acquired list of the reservation data.

14. (Previously Presented) An information processing apparatus according to claim 13, wherein, in a case of receiving the device-independent-format data from said print job management means according to a re-printing instruction by said re-print designation means, print data generation means corresponding to the printing apparatus to be used for re-printing is selected among plural print data generation means, and the device-dependent-format data for said printing apparatus to be used for re-printing are generated from said device-independent-format data.

15. (Previously Presented) An information processing apparatus according to claim 14, wherein the device-dependent-format data generated at the re-printing of the device-independent-format data are reserved again as the reservation job data in said print job management apparatus.

16. (Currently Amended) A method for use in a print server apparatus capable of receiving a print job to be printed from an information processing apparatus through a network, the method comprising:

a reservation job management step of storing, in a memory, both device-independent-format data and device-dependent-format data of the print job as reservation job data received from said information processing apparatus, and managing said reservation job data for the print job even after print data is output to a printing apparatus;

a determination step of determining whether attributes are different based on a printer driver name for an output ~~designation~~ destination for reprint and a printer driver name for reservation job data managed by said reservation job management means; and

an output control step of outputting the device-independent-format data to the ~~exterior~~ information processing apparatus, if said determination step determines that the attributes are different, while outputting the device-dependent-format data to the ~~exterior~~ output destination, if said determination step determines that the attributes are the same,

wherein the device-dependent-format data is data generated by a printer driver corresponding to the output destination, and the device-independent-format data is data generated prior to a generation process by a printer driver corresponding to the output destination.

17. (Original) A method according to claim 16, wherein said reservation job management step is adapted to reserve the reservation job data transmitted from said information processing apparatus for a designated period and to delete said reservation job data from said memory after the lapse of said designated period.

18. (Previously Presented) A method according to claim 16, further comprising a discrimination step of discriminating whether the management of said reservation job data by said reservation job management step is possible, in response to a request for reservation from said information processing apparatus;

wherein said reservation job management step executes reservation and management of said reservation job data in a case where said discrimination step identifies that the management of said reservation job data is possible.

19. (Currently Amended) A method according to claim 18, wherein, in the case where said discrimination step identifies that the management of said reservation job data is not possible, said reservation job management step registers and manages ~~the~~ a print job ID and ~~the~~ a reservation job size, requested for reservation, in a reservation waiting list.

20. (Currently Amended) A method according to claim 19, further comprising a detection step of detecting a registerable print job ID by comparing ~~the~~ an available capacity of said memory with ~~the~~ reservation job sizes registered in said reservation waiting list.

21. (Canceled)

22. (Previously Presented) A method according to claim 16, wherein said device-independent-format data are EMF data and said device-dependent-format data are RAW data.

23. (Currently Amended) An information processing method for generating print data to be printed by a printing apparatus through a network, the method comprising:

a data generation step of generating device-dependent-format data to be printed by said printing apparatus using a printer driver corresponding to the printing apparatus;

an obtaining step of obtaining device-independent-format data;

a display step of displaying a list of print jobs to be reprinted after print data is output to the printing apparatus;

a first ~~judgement~~ judgment step of judging one print job selected by a user from among the print jobs displayed by the display step; and

a second ~~judgement~~ judgment step of judging a printing apparatus to which the print job judged by the first ~~judgement~~ judgment step is to be output,

wherein said data generation step receives the device-independent-format data obtained by the obtaining step and generates the device-dependent-format data using another printer driver, if the printing apparatus judged by the second ~~judgement~~ judgment step is different from the printing apparatus of an original output destination,

wherein the device-dependent-format data is data generated by a printer driver corresponding to a printing apparatus that prints out the print data, and the device-independent-format data is data generated prior to a generation process by a printer driver corresponding to a printing apparatus that prints out the print data.

24. (Previously Presented) An information processing method according to claim 27, further comprising a condition designation step of designating a reservation



condition for causing said print job management apparatus to reserve the reservation job data.

25. (Original) An information processing method according to claim 24, wherein said reservation condition is a period of reservation.

26. (Original) An information processing method according to claim 24, wherein said reservation condition is a number of printing times.

27. (Previously Presented) An information processing method according to claim 23, further comprising:

a reservation data generating step of generating reservation job data consisting of the device-dependent-format data generated by the data generating step and print job information based on the device-dependent-format data, which reservation job data is to be reserved after a printing process of the print data is completed by the printing apparatus; and

a transmission control step of transmitting the reservation job data generated by the reservation data generating step to a print job management apparatus through a network.

28. (Original) An information processing method according to claim 27, further comprising:

an acquisition step of acquiring a list of managed reservation data from said print job management apparatus; and

a re-print designation step of designating the reservation data to be re-printed from said acquired list of the reservation data.

29. (Previously Presented) An information processing method according to claim 28, wherein, in a case of receiving the device-independent-format data from said print job management step according to a re-printing instruction by said re-print designation step, print data generation means corresponding to the printing apparatus to be used for re-printing is selected among plural print data generation means, and the device-dependent-format data for said printing apparatus to be used for re-printing are generated from said device-independent-format data.

30. (Previously Presented) An information processing method according to claim 29, wherein the device-dependent-format data generated at the re-printing of the device-independent-format data are reserved again as the reservation job data in said print job management apparatus.

31. (Currently Amended) A computer readable memory medium storing a program of a method for use in a print server apparatus capable of receiving a print job to be printed from an information processing apparatus through a network, the program comprising:

a reservation job management step of storing, in a memory, both device-independent-format data and device-dependent-format data of the print job as reservation job data received from said information processing apparatus, and managing said reservation job data for the print job even after print data is output to a printing apparatus;

a determination step of determining whether attributes are different based on a printer driver name for an output ~~designation~~ destination for reprint and a printer driver name for reservation job data managed by said reservation job management means; and

an output control step of outputting the device-independent-format data to the ~~exterior~~ information processing apparatus, according to a request for re-printing received from said information processing apparatus if said determination step determines that the attributes are different, while outputting the device-dependent-format data to the ~~exterior~~ output destination, if said determination step determines that the attributes are the same,

wherein the device-dependent-format data is data generated by a printer driver corresponding to the output destination, and the device-independent-format data is data generated prior to a generation process by a printer driver corresponding to the output destination.

32. (Original) A memory medium according to claim 31, wherein said reservation job management step is adapted to reserve the reservation job data transmitted from said information processing apparatus for a designated period and to delete said reservation job data from said memory after the lapse of said designated period.

33. (Previously Presented) A memory medium according to claim 31, the program further comprising a discrimination step of discriminating whether the management of said reservation job data by said reservation job management step is possible, in response to a request for reservation from said information processing apparatus;

wherein said reservation job management step executes reservation and management of said reservation job data in a case where said discrimination step identifies that the management of said reservation job data is possible.

34. (Currently Amended) A memory medium according to claim 33, wherein, in the case where said discrimination step identifies that the management of said reservation job data is not possible, said reservation job management step registers and manages ~~the~~ a print job ID and ~~the~~ a reservation job size, requested for reservation, in a reservation waiting list.

35. (Currently Amended) A memory medium according to claim 34, the program further comprising a detection step of detecting a registerable print job ID by comparing ~~the~~ an available capacity of said memory with ~~the~~ reservation job sizes registered in said reservation waiting list.

36. (Canceled)

37. (Currently Amended) A memory medium according to claim ~~[[36]]~~ 31, wherein said device-independent-format data are EMF data and said device-dependent-format data are RAW data.

38. (Currently Amended) A computer readable memory medium storing a program of an information processing method for generating print data to be printed by a printing apparatus through a network, the program comprising:

a data generation step of generating device-dependent-format data to be printed by said printing apparatus using a printer driver corresponding to the printing apparatus;

an obtaining step of obtaining device-dependent-format data;

a display step of displaying a list of print jobs to be reprinted after print data is output to the printing apparatus;

a first ~~judgement~~ judgment step of judging one print job selected by a user from among the print jobs displayed by the display step; and

a second ~~judgement~~ judgment step of judging a printing apparatus to which the print job judged by the first ~~judgement~~ judgment step is to be output,

wherein said data generation step receives the device-independent-format data obtained by the obtaining step and generates the device-dependent-format data using another printer driver, if the printing apparatus judged by the second ~~judgement~~ judgment step is different from the printing apparatus of an original output destination,

wherein the device-dependent-format data is data generated by a printer driver corresponding to a printing apparatus that prints out the print data, and the device-independent-format data is data generated prior to a generation process by a printer driver corresponding to a printing apparatus that prints out the print data.

39. (Previously Presented) A memory medium according to claim 42, the program further comprising a condition designation step of designating a reservation condition for causing said print job management apparatus to reserve the reservation job data.

40. (Original) A memory medium according to claim 39, wherein said reservation condition is a period of reservation.

41. (Original) A memory medium according to claim 39, wherein said reservation condition is a number of printing times.

42. (Previously Presented) A memory medium according to claim 38, wherein said reservation data generation step generates reservation data including said print data of a device dependent data format and intermediate data of a device-independent data format further comprising:

a reservation data generating step of generating reservation job data consisting of the device-dependent-format data generated by the data generating step and print job information based on the device-dependent-format data, which reservation job data is to be reserved after a printing process of the print data is completed by the printing apparatus; and

a transmission control step of transmitting the reservation job data generated by the reservation data generating step to a print job management apparatus through a network.

43. (Original) A memory medium according to claim 42, the program further comprising:

an acquisition step of acquiring a list of managed reservation data from said print job management apparatus; and

a re-print designation step of designating the reservation data to be re-printed from said acquired list of the reservation data.

44. (Previously Presented) A memory medium according to claim 43, wherein, in a case of receiving the device-independent-format data from said print job management step according to a reprinting instruction by said re-print designation step, print data generation means corresponding to the printing apparatus to be used for re-printing is selected among plural print data generation means, and the device-dependent-format data for said printing apparatus to be used for re-printing are generated from said device-independent-format data.

45. (Previously Presented) A memory medium according to claim 44, wherein the device-dependent-format data generated at the re-printing of the device-independent-format data are reserved again as the reservation job data in said print job management apparatus.

46. (Currently Amended) A computer program, stored on a computer readable medium, of a method for use in a print server apparatus capable of receiving a print job to be printed from an information processing apparatus through a network, the program comprising:

a reservation job management step of storing, in a memory, both device-independent-format data and device-dependent-format data of the print job as reservation job data received from said information processing apparatus, and managing said reservation job data for the print job even after print data is output to a printing apparatus;

a determination step of determining whether attributes are different based on a printer driver name for an output ~~designation~~ destination for reprint and a printer driver name for reservation job data managed by said reservation job management means; and

an output control step of outputting the device-independent-format data to the ~~exterior~~ information processing apparatus, if said determination step determines that the attributes are different, while outputting the device-dependent-format data to the ~~exterior~~ output destination, if said determination step determines that the attributes are the same,

wherein the device-dependent-format data is data generated by a printer driver corresponding to the output destination, and the device-independent-format data is data generated prior to a generation process by a printer driver corresponding to the output destination.

47. (Original) A computer program according to claim 46, wherein said reservation job management step is adapted to reserve the reservation job data transmitted from said information processing apparatus for a designated period and to delete said reservation job data from said memory after the lapse of said designated period.

48. (Previously Presented) A computer program according to claim 46, further comprising a discrimination step of discriminating whether the management of said reservation job data by said reservation job management step is possible, in response to a request for reservation from said information processing apparatus;



wherein said reservation job management step executes reservation and management of said reservation job data in a case where said discrimination step identifies that the management of said reservation job data is possible.

49. (Currently Amended) A computer program according to claim 48, wherein, in the case where said discrimination step identifies that the management of said reservation job data is not possible, said reservation job management step registers and manages ~~the~~ a print job ID and ~~the~~ a reservation job size, requested for reservation, in a reservation waiting list.

50. (Currently Amended) A computer program according to claim 49, the program further comprising a detection step of detecting a registerable print job ID by comparing ~~the~~ an available capacity of said memory with ~~the~~ reservation job sizes registered in said reservation waiting list.

51. (Canceled)

52. (Currently Amended) A computer program according to claim ~~[[51]]~~ 46, wherein said device-independent-format data are EMF data and said device-dependent-format data are RAW data.

53. (Currently Amended) A computer program, stored on a computer readable medium, of an information processing method for generating print data to be printed by a printing apparatus through a network, the program comprising:

a data generation step of generating device-dependent-format data to be printed by said printing apparatus using a printer driver corresponding to the printing apparatus;

an obtaining step of obtaining device-dependent-format data;

a display step of displaying a list of print jobs to be reprinted after print data is output to the printing apparatus;

a first ~~judgement~~ judgment step of judging one print job selected by a user from among the print jobs displayed by the display step; and

a second ~~judgement~~ judgment step of judging a printing apparatus to which the print job judged by the first ~~judgement~~ judgment step is to be output,

wherein said data generation step receives the device-independent-format data obtained by the obtaining step and generates the device-dependent-format data using another printer driver, if the printing apparatus judged by the second ~~judgement~~ judgment step is different from the printing apparatus of an original output destination,

wherein the device-dependent-format data is data generated by a printer driver corresponding to a printing apparatus that prints out the print data, and the device-independent-format data is data generated prior to a generation process by a printer driver corresponding to a printing apparatus that prints out the print data.

54. (Previously Presented) A computer program according to claim 57, further comprising a condition designation step of designating a reservation condition for causing said print job management apparatus to reserve the reservation job data.

55. (Original) A computer program according to claim 54, wherein said reservation condition is a period of reservation.

56. (Original) A computer program according to claim 54, wherein said reservation condition is a number of printing times.

57. (Previously Presented) A computer program according to claim 53, further comprising:

a reservation data generating step of generating reservation job data consisting of the device-dependent-format data generated by the data generating step and print job information based on the device-dependent-format data, which reservation job data is to be reserved after a printing process of the print data is completed by the printing apparatus; and

a transmission control step of transmitting the reservation job data generated by the reservation data generating step to a print job management apparatus through a network.

58. (Original) A computer program according to claim 57, further comprising:

an acquisition step of acquiring a list of managed reservation data from said print job management apparatus; and

a re-print designation step of designating the reservation data to be re-printed from said acquired list of the reservation data.

59. (Previously Presented) A computer program according to claim 58, wherein, in a case of receiving the device-independent-format data from said print job management step according to a reprinting instruction by said re-print designation step, print data generation means corresponding to the printing apparatus to be used for re-printing is selected among plural print data generation means, and the device-dependent-format data for said printing apparatus to be used for re-printing are generated from said device-independent-format data.

60. (Previously Presented) A computer program according to claim 59, wherein the device-dependent-format data generated at the re-printing of the device-independent-format data are reserved again as the reservation job data in said print job management apparatus.